

IN THE CLAIMS:

Please cancel claim 2 without prejudice to or disclaimer of the subject matter recited therein.

Please amend claims 1, 3, 10 and 11 as follows:

LISTING OF CURRENT CLAIMS

Claim 1. (Currently Amended) A high transmittance sub-wavelength structure polarization module, comprising:

5 a transmission substrate, having a top surface and a bottom ~~surfaces;~~
surface, said top surface being composed of a plurality of projecting parts and a
plurality of sunken parts, wherein said sunken part has a first sub-wavelength
structure disposed thereon and said projecting part has a second sub-wavelength
structure disposed thereon; and

10 a plurality of collimation units, being disposed at the bottom surface of said
transmission substrate corresponding to said projecting and sunken parts of said top
surface;

wherein ~~said collimation unit~~ each collimation unit of the plurality of collimation
units is capable of collimating a light into ~~the~~ a position of said corresponding sunken
~~part. part.~~

15 wherein a light source is arranged beneath each collimation unit of the
plurality of collimation units for providing said light, and said light composed of a first-
polarized light and a second polarized light.

Claim 2. (Canceled)

Claim 3. (Currently Amended) The polarization module of claim ~~2~~, 1, wherein
said first sub-wavelength structure is one of the following: a ladder structure
consisted of a plurality of first grates of different widths and height and a grating
structure consisted of a plurality of first grates of different widths, capable of
separating said first and second-polarized light and diverting the direction of said
second-polarized light so as to allow said first-polarized light to pass through the

same and divert said second-polarized light to said projecting parts of said top surface.

Claim 4. (Original) The polarization module of claim 3, wherein the measures of said first grate are smaller than the wavelength of said light.

Claim 5. (Original) The polarization module of claim 4, wherein said second sub-wavelength structure is composed of a plurality of second grate of the same width forming a polarization retardation element capable of delaying the phase of said light by 90 degree.

Claim 6. (Original) The polarization module of claim 5, wherein the measures of said second grate are smaller than the wavelength of said light.

Claim 7. (Original) The polarization module of claim 1, wherein said transmission substrate is made of a transparent polymer material.

Claim 8. (Original) The polarization module of claim 6, wherein said substrate can be made of a material different from that of the first grate and the second grate.

Claim 9. (Original) The polarization module of claim 5, wherein said first and second grate are lump grates.

Claim 10. (Currently Amended) A high transmittance sub-wavelength structure polarization module, comprising:

5 a transmission substrate, having a top surface and a bottom ~~surfaces,~~
~~surface,~~ wherein said top surface has a ~~dual-layer~~ dual-tier sub-wavelength
~~structures~~ structure that ~~the lower-layer~~ a lower tier of the dual-tier sub-wavelength
structure has a first sub-wavelength structure and ~~the top-layer~~ an upper tier of the
dual-tier sub-wavelength structure has a second sub-wavelength structure;

10 wherein said bottom surface has a plurality of collimation units, arranged corresponding to ~~said dual-layer structure of said top surface~~, a top surface of said dual-tier structure, capable of collimating a light into ~~the~~ a corresponding position of said lower ~~layer~~: layer.

wherein a light source is arranged beneath each collimation unit of the plurality of collimation units for providing said light, and said light composed of a first-polarized light and a second polarized light.

Claim 11. (Currently Amended) The polarization module of claim 10, wherein the positioning of said first sub-wavelength structure and said second sub-wavelength is one of the following: independently lined-up oneself corresponding to the other ~~or~~ and interlaced with each other.